**Schedule of Class Topics**

**CSE 1310 - 005 Spring 2017**

**Dr. Tiernan’s section**

NOTE: the schedule of future lecture topics is tentative and subject to change. As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. – Dr. Tiernan

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| Lecture | Topic | Book Reading | Assignments\*\* |
| 1 | Introduction; Course syllabus and introduction to the class. How to run a Java program in Netbeans | Chapters 1, 2. |  |
| 2 | First Programs; Output, Arithmetic, Variables, User Input. | Chapter 2. | Lab 1\*\* |
| 3 | Variables, types, operations on numbers, formatted output (printf). | Chapter 2. |  |
| 4 | Strings. | Chapter 2. | Lab 2\*\* |
| 5 | Algorithms, If statements | Chapter 3. |  |
|  | *CENSUS DATE* |  |  |
| 6 | If statements (continued) | Chapter 3. | Lab 3\*\* |
| 7 | Loops | Chapter 4. |  |
| 8 | Loops (continued) | Chapter 4. |  |
| 9 | Loops (continued) | Chapter 4. | Lab 4\*\* |
| 10 | Exceptions and Input Validation |  |  |
| **11** | **First midterm.** |  |  |
| 12 | Methods (functions) | Chapter 5 |  |
| 13 | Methods (functions), continued. Slides on common mistakes with methods/functions | Chapter 5 | Lab 5\*\* |
| 14 | Methods (functions), continued. | Chapter 5 |  |
| 15 | Binary numbers, hexadecimal numbers. | Appendix I. |  |
| 16 | Arrays and array lists. | Chapter 6. | Lab 6\*\* |
| 17 | Arrays and array lists, continued. | Chapter 6. |  |
| 18 | Arrays and array lists, continued. | Chapter 6. |  |
| **19** | **Second midterm.** |  |  |
| 20 | File input/output. | Chapter 7. | Lab 7\*\* |
|  | *LAST DAY TO DROP* |  |  |
| 21 | File input/output (continued). | Chapter 7. |  |
| 22 | File input/output (continued). | Chapter 7. | Lab 8\*\* |
| 23 | Example application. |  |  |
| 24 | Example application (continued). |  |  |
| 25 | Examples of more complicated programs. |  | Lab 9\*\* |
| 26 | Examples of more complicated programs. |  |  |
| 27 | Examples of more complicated programs. |  |  |
| **28** | **Third midterm.** |  |  |
| 29 | Review. |  | Lab 10\*\* |
|  | **Final Exam –** Dates for ALL final exams are given online at <http://www.uta.edu/records/calendars/final-exams.php> | |  |

\*\*Planned Assignments Schedule – All dates are tentative on the schedule

Assignments will be due approximately weekly. Each assignment will have the ACTUAL due date on the assignment.

Planned Exams Schedule

First midterm:.

Main topics: variables, assignments, types, conditionals, while/for loops.

Reading: textbook chapters 1, 2, 3, 4.

Second midterm:.

Main topics: variables, assignments, types, conditionals, while/for loops, methods (functions).

Reading: textbook chapters 1, 2, 3, 4, 5.

Third midterm:.

Main topics: variables, assignments, types, conditionals, while/for loops, methods (functions), arrays, files.

Reading: textbook chapters 1, 2, 3, 4, 5, 6, 7.

Final exam:, .

Main topics: variables, assignments, types, conditionals, while/for loops, methods (functions), arrays, files.

Reading: textbook chapters 1, 2, 3, 4, 5, 6, 7.